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HRT-0010

VERSION WITH MARKINGS TO SHOW CHANGES MADEIn the Claims:

2. (Twice Amended) The valve prosthesis according to claim 134, wherein the support means is made of thread structure.

3. (Twice Amended) The valve prosthesis according to claim 142, wherein the thread structure comprises several spaced apices that extend projecting from the one end side of the cylindrical support means structure and in direction along the longitudinal axis of the cylindrical support means cylinder and that the commissural points of the valve being are attached to the projecting apices.

5. (Twice Amended) The valve prosthesis according to claim 134, wherein the stent comprises at least two closed rings, each formed from more than three loops, is made from a stainless steel wire folded in number of loops, bonded according to a circle, and welded to form a closed ring, that the stent comprises two or more such closed rings which the rings are mutually connected one to another end to end to form the cylindrical thread structure, and wherein that three of the loops in at least one of the rings has the external ring are folded with a greater height than that the remaining loops to form the apices to which the commissural points of the biological valve are attached.

8. (Twice Amended) The valve prosthesis according to claim 134, wherein the cylinder surface of the support means is closed to form a tubular element.

13. (New) A valve prosthesis for implantation in a body channel having an inner wall, the prosthesis comprising:

a radially collapsible and expandable cylindrical stent, the stent including a cylindrical support means having a cylinder surface; and
a collapsible and expandable valve having commissural points, the valve mounted to the stent at the commissural points, wherein the stent and valve are configured to be implanted in the body by way of catheterization.

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14. (New) The valve prosthesis of claim 13, wherein the stent includes a cylindrical support means having a cylinder surface and the valve has commissural points, and the valve is mounted to the stent at the commissural points.